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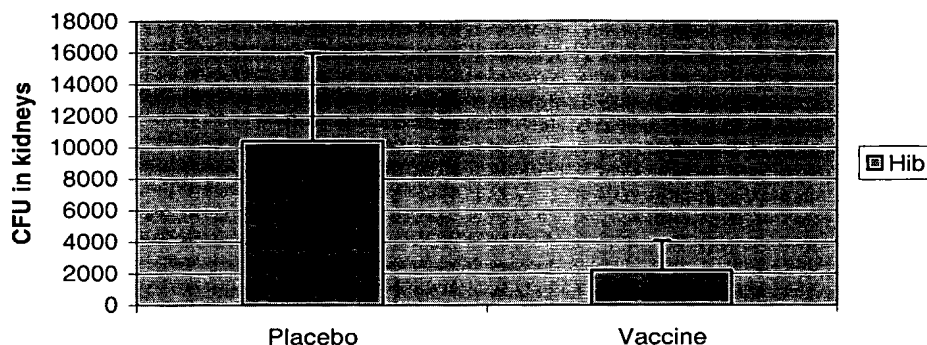
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(54) Title: A VACCINE FORMULATED FOR ADMINISTRATION TO MUCOSA OF THE LUNGS

**Hib (vaccine vs placebo)**



(57) Abstract: There is disclosed vaccines formulated for administration to the mucosa of the lungs of a mammal, and the use thereof in methods for prophylaxis or treatment of an infection by at least one pathogenic microorganism. The vaccines comprise a cellular fraction of the microorganism that is essentially free of particulate matter and includes polyvalent soluble antigen from the microorganism.

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